

**From:** [Crossland, Ronnie](#)  
**To:** [Carroll, Craig](#); [Smith, Monica](#); [Smalley, Bryant](#); [Webster, Susan](#)  
**Subject:** Fwd: \*\*CONFIDENTIAL - OFFICIAL USE ONLY\*\* TCEQ Hurricane Harvey Update - #13 (September 4, 2017)  
**Date:** Tuesday, September 5, 2017 7:15:03 AM

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Sent from my iPhone

Begin forwarded message:

**From:** Kelly Cook <[kelly.cook@tceq.texas.gov](mailto:kelly.cook@tceq.texas.gov)>  
**Date:** September 4, 2017 at 8:36:16 PM CDT  
**To:** Richard Hyde <[richard.hyde@tceq.texas.gov](mailto:richard.hyde@tceq.texas.gov)>, Stephanie Bergeron Perdue <[Stephanie.Bergeron\\_Perdue@tceq.texas.gov](mailto:Stephanie.Bergeron_Perdue@tceq.texas.gov)>, Lori Wilson <[Lori.Wilson@tceq.texas.gov](mailto:Lori.Wilson@tceq.texas.gov)>, Emily Lindley <[Emily.Lindley@tceq.texas.gov](mailto:Emily.Lindley@tceq.texas.gov)>, Ramiro Garcia <[ramiro.garcia@tceq.texas.gov](mailto:ramiro.garcia@tceq.texas.gov)>, Anthony Buck <[Anthony.Buck@tceq.texas.gov](mailto:Anthony.Buck@tceq.texas.gov)>, Brad Jones <[brad.jones@tceq.texas.gov](mailto:brad.jones@tceq.texas.gov)>, "David Durst" <[david.durst@tceq.texas.gov](mailto:david.durst@tceq.texas.gov)>, Gary Shipp <[gary.shipp@tceq.texas.gov](mailto:gary.shipp@tceq.texas.gov)>, Sara Coley <[sara.coley@tceq.texas.gov](mailto:sara.coley@tceq.texas.gov)>, Winona Henry <[winona.henry@tceq.texas.gov](mailto:winona.henry@tceq.texas.gov)>, Mandy Ellifritz <[mandy.ellifritz@tceq.texas.gov](mailto:mandy.ellifritz@tceq.texas.gov)>, Tony Walker <[tony.walker@tceq.texas.gov](mailto:tony.walker@tceq.texas.gov)>, Kendra Houston <[kendra.houston@tceq.texas.gov](mailto:kendra.houston@tceq.texas.gov)>, Leroy Biggers <[leroy.biggers@tceq.texas.gov](mailto:leroy.biggers@tceq.texas.gov)>, Tom Erny <[Tom.Erny@tceq.texas.gov](mailto:Tom.Erny@tceq.texas.gov)>, "Lorinda Gardner" <[lorinda.gardner@tceq.texas.gov](mailto:lorinda.gardner@tceq.texas.gov)>, Cynthia Williams <[Cynthia.D.Williams@tceq.texas.gov](mailto:Cynthia.D.Williams@tceq.texas.gov)>, Lisa Torres <[Lisa.Torres@tceq.texas.gov](mailto:Lisa.Torres@tceq.texas.gov)>, Cain Cline <[cain.cline@tceq.texas.gov](mailto:cain.cline@tceq.texas.gov)>, "David Van Soest" <[David.Vansoest@tceq.texas.gov](mailto:David.Vansoest@tceq.texas.gov)>, Jeff Kunze <[jeff.kunze@tceq.texas.gov](mailto:jeff.kunze@tceq.texas.gov)>, Andrea Morrow <[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>, Kathy Saucedo <[Kathy.Sauceda@tceq.texas.gov](mailto:Kathy.Sauceda@tceq.texas.gov)>, Sarah Kirksey <[Sarah.Kirksey@tceq.texas.gov](mailto:Sarah.Kirksey@tceq.texas.gov)>, Wallace Myers <[wallace.myers@tceq.texas.gov](mailto:wallace.myers@tceq.texas.gov)>, "Ashley K. Wadick" <[Ashley.K.Wadick@tceq.texas.gov](mailto:Ashley.K.Wadick@tceq.texas.gov)>, Guadalupe Quiroz <[guadalupe.quiroz@tceq.texas.gov](mailto:guadalupe.quiroz@tceq.texas.gov)>, Joel Anderson <[joel.anderson@tceq.texas.gov](mailto:joel.anderson@tceq.texas.gov)>, Kelly Crunk <[Kelly.Crunk@tceq.texas.gov](mailto:Kelly.Crunk@tceq.texas.gov)>, Susan Clewis <[susan.clewis@tceq.texas.gov](mailto:susan.clewis@tceq.texas.gov)>, Kelly Ruble <[kelly.ruble@tceq.texas.gov](mailto:kelly.ruble@tceq.texas.gov)>, Jaime Garza <[Jaime.Garza@tceq.texas.gov](mailto:Jaime.Garza@tceq.texas.gov)>, Esmeralda Rodriguez <[Esmeralda.Rodriguez@tceq.texas.gov](mailto:Esmeralda.Rodriguez@tceq.texas.gov)>, Jose Salinas <[Jose.Salinas@tceq.texas.gov](mailto:Jose.Salinas@tceq.texas.gov)>, Jason Ybarra <[Jason.Ybarra@tceq.texas.gov](mailto:Jason.Ybarra@tceq.texas.gov)>, Nicole Bealle <[Nicole.Bealle@tceq.texas.gov](mailto:Nicole.Bealle@tceq.texas.gov)>, Hope Davila <[Hope.Davila@tceq.texas.gov](mailto:Hope.Davila@tceq.texas.gov)>, Melanie Edwards <[melanie.edwards@tceq.texas.gov](mailto:melanie.edwards@tceq.texas.gov)>, Michelle Phillips <[michelle.phillips@tceq.texas.gov](mailto:michelle.phillips@tceq.texas.gov)>, Rosemary Pinon <[Rosemary.Pinon@Tceq.Texas.Gov](mailto:Rosemary.Pinon@Tceq.Texas.Gov)>, Minor Hibbs <[Minor.Hibbs@tceq.texas.gov](mailto:Minor.Hibbs@tceq.texas.gov)>, Keith Sheedy <[keith.sheedy@tceq.texas.gov](mailto:keith.sheedy@tceq.texas.gov)>, Jim Rizk <[Jim.Rizk@Tceq.Texas.Gov](mailto:Jim.Rizk@Tceq.Texas.Gov)>, Erin Chancellor <[Erin.Chancellor@tceq.texas.gov](mailto:Erin.Chancellor@tceq.texas.gov)>, Stephen Tatum <[Stephen.Tatum@Tceq.Texas.Gov](mailto:Stephen.Tatum@Tceq.Texas.Gov)>, Ryan Vise <[Ryan.Vise@Tceq.Texas.Gov](mailto:Ryan.Vise@Tceq.Texas.Gov)>,



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**Subject: \*\*CONFIDENTIAL - OFFICIAL USE ONLY\*\* TCEQ Hurricane Harvey Update - #13 (September 4, 2017)**

#### **Status of State-level Activities:**

TCEQ is conducting agency internal conference calls which will occur daily (including weekends) at 1:30 pm. Dial the Access Number: (b) (6). Enter Participants Pass code: (b) (6)

<!--[if !supportLists]-->• <!--[endif]-->The TCEQ continues to be activated for duty at the SOC 24/7.

<!--[if !supportLists]-->• <!--[endif]-->The TCEQ has approximately 468 staff involved in the Hurricane Harvey response.

#### **Status of TCEQ Activities:**

<!--[if !supportLists]-->• <!--[endif]-->There will be an additional upcoming SOC Debris Management Call immediately following the Recovery Coordination Call on 9/5. Yessenia Jaramillo, OCE Region 11, and Steve Odil, OOW Waste Permits, are TCEQ's designated representatives to the TDEM/SOC Debris Management group.

<!--[if !supportLists]-->• <!--[endif]-->Please send ALL SSOs to Catherine Grutsch <a href="mailto:catherine.grutsch@tceq.texas.gov">catherine.grutsch@tceq.texas.gov</a> and cc Nancy Vignali <a href="mailto:nancy.vignali@tceq.texas.gov">nancy.vignali@tceq.texas.gov</a> for tracking.

<!--[if !supportLists]-->• <!--[endif]-->RVs are being made available for accommodations in the Beaumont area where hotels are hard to come by. Emily Lindley is the Point of Contact for the RVs at this time.

**TCEQ Unified Command for Field Response Activities (Since the NDOW field teams are returning to the staging area later in the afternoon, the daily SitRep for activities will be sent out each morning in a separate supplemental update.)**

<!--[if !supportLists]-->• <!--[endif]-->The NDOW Area Command/Alpha Branch (TCEQ/EPA/GLO/USCG/TPWD), in Corpus Christi continued field operations, sending out 2 HazMat Recovery Teams, with 1 HazMat Evaluation Team on standby. Area Command is now beginning initial planning to standup Charlie Branch in Beaumont later this week.

<!--[if !supportLists]-->• <!--[endif]-->The NDOW Bravo Branch (TCEQ/EPA/GLO/USCG/TPWD), in Houston continued field operations, sending out 22 Field Teams today.

#### Office of Compliance and Enforcement

##### Critical Infrastructure Division-

<!--[if !supportLists]-->• <!--[endif]-->The larger dams are full in many cases and are slowly decreasing release of water; the structures are secure at this time. There are 340 high- and significant-hazard dams in the impacted areas, and TCEQ has been able to make contact with nearly all of these dam owners. Of these high and significant hazard dams, only six dams have been damaged (3) or have failed (3), five of the six are exempt due to Legislation. We have also been notified that three low-hazard dams have damage. TCEQ is waiting on return calls for a number of the dams to get status updates since the owners were not available.

##### Region 4 (DFW) –

- DFW Region has approved 7 debris site requests for the Houston Region.

##### Region 9 & 11 (Waco & Austin) –

- Four (4) Region 9 and 11 staff (two per region) departed this morning at 10:00 am for the City of Houston deployment.
- Three (3) additional R11 staff have been requested to deploy in Beaumont time and date yet to be determined.
- Staff continue to respond to questions and requests for assistance covering all media ranging from air emission events (flaring), BWN's, SSO's and debris

management from multiple impacted areas.

- R11 Staff is participating in the TDEM Debris Management Group - next call is September 5, 2017 at 1:00 pm.

#### Region 10 (Beaumont) –

- Four teams are conducting surveys today in the industrial areas in Beaumont, Port Arthur and Orange. In addition, another group is working to bring CAMS stations back online.
- The region continues to contact community water systems and entering the status of the systems in Response Manager.
- Industrial facilities are being contacted by the region to determine operational status and possible timeframe for resuming operations.
- A Unified Command Charlie Branch planning meeting will occur **midweek** at the US Coast Guard MSU Port Arthur office. USEPA, USCG, TCEQ, and TGLO will collaborate. Sarah Kirksey will attend for TCEQ.
- USEPA and LDEQ are coming to the region Tuesday to conduct air monitoring utilizing a MAML. Sarah Kirksey is coordinating this event.
- Hope Davila is staffing the Disaster District 15 and will participating in a fly over today.
- City of Beaumont drinking water system is continuing to have issues coming back on line. The office has low pressure water.

#### Region 12 (Houston) –

- The waters continue to recede in the area. Several rivers (e.g., Brazos, Trinity, Buffalo Bayou) remain elevated. The recent flooding continues to impact staff availability to some extent in the regional office.
- Region staff are evaluating whether road conditions are suitable to retrieve the last remaining staged vehicles.
- The DRST and Water Section staff continued to conduct damage assessment as part of the Bravo Branch of Unified Command at USCG Houston Sector. Assessment teams are being dispatched daily. For 9/4/2017, teams conducting Container Recon, Air Recon, Hazard Evaluation, Discharge Assessment, and Water Infrastructure Assessment are operating in the region.
- The Waste Section has had a total of 33 Approved Debris Management Sites and has three pending applications for review and approval through R4.
- The regional response staff remain actively

engaged in monitoring the Arkema situation. The local responders/command post participants are continuing to monitor the site. Arkema personnel remain embedded in the incident command and have been providing pertinent information to command staff. A regional ERC remains deployed to the command post. During this period, a controlled ignition was performed on the remaining six organic peroxide storage trailers. All nine trailers are now combusted and the 1.5 mile mandatory evacuation has been lifted.

Region 13 (San Antonio) –

• The transition for the manning of the Corpus Christi DDC by TCEQ Region 14 staff has been completed. All Region 13 staff have departed Corpus Christi and returned to San Antonio.

Region 14 (Corpus) –

- Region 14 Office is open today.
- Region 14 staff continue with debris site inspections and approvals (3 teams).
- Region 14 staff continue to call drinking water (community and noncommunity) and wastewater systems in Region 14.
- Five (5) Region 14 staff are providing support at Area/Branch Command.
- Region 14 staff are providing as needed support at the DDC Victoria and DDC Corpus Christi.
- One (1) Region 14 staff is assisting with the onsite technical assistance being provided to the City of Victoria to optimize the water treatment plant.

Monitoring Division-

• Below is an updated list of the operating monitoring sites today in the Corpus Christi, Houston and Beaumont areas:

Four of the Beaumont sites are still inaccessible due to high water.

Total 36 of 48 = 75%

Houston - 22 of 26 (85%):

Baytown Garth: ozone, SO<sub>2</sub>

Cesar Chavez: AutoGC

Channelview: AutoGC, NO<sub>x</sub>, NO, NO<sub>2</sub>, ozone

Clute: VOC canister

Conroe Relocated: NO<sub>x</sub>, NO, NO<sub>2</sub>, ozone, PM<sub>2.5</sub>

Freeport South Avenue I: SO<sub>2</sub>

Galena Park: AutoGC, VOC canister

Galveston 99th Street: NO<sub>x</sub>, NO, NO<sub>2</sub>, ozone

Houston Aldine: NO<sub>x</sub>, NO, NO<sub>y</sub>, ozone, PM<sub>2.5</sub>

Houston Bayland Park: ozone, VOC canister

Houston East: NO<sub>x</sub>

Houston North Loop: NO<sub>x</sub>, NO, NO<sub>2</sub>, CO

Houston Southwest Freeway: NOx, NO, NO2  
 Jacinto Port: VOC canister  
 Manchester / Central: VOC canister  
 Manvel Croix Park: NOx, NO, NO2, ozone  
 Northwest Harris County: NOx, NO, NO2, ozone  
 Seabrook Friendship Park: NOx, NO, NO2, PM2.5  
 Shore Acres: VOC canister  
 Texas City Ball Park: SO2, H2S, VOC canister  
 Clinton: AutoGC  
 Houston Deer Park #2: AutoGC, VOC canister, NOx, NO, NO2, NOy, ozone, CO, SO2  
 Beaumont - 7 of 14 (50%):  
 Beaumont Downtown: VOC canister, NOx, NO, NO2, ozone, SO2  
 West Orange: NOx, NO, NO2, ozone  
 Nederland High School: NOx, NO, NO2, ozone, CO  
 Beaumont Mary: VOC canister, H2S  
 Port Arthur 7th Street: SO2  
 Port Arthur Memorial School: PM2.5  
 Jefferson County Airport: VOC canister

Corpus Christi - 7 of 8 (88%):  
 Corpus Christi West: ozone, SO2  
 Corpus Christi Tuloso: ozone  
 Corpus Christi Palm: AutoGC  
 Corpus Christi Huisache: VOC canister, H2S  
 Corpus Christi Hillcrest: VOC canister  
 Williams Park: TNMOC, VOC canister  
 Victoria: ozone

**Office of Water Activities (Inoperable PWS and WW Spreadsheet; BWN Spreadsheet, will be sent out in the morning)**

Water Quality Division-

- <!--[if !supportLists]-->• <!--[endif]-->Continuing to reach out to the approximate 105 sites in the affected counties which have to date been unreachable.
- <!--[if !supportLists]-->• <!--[endif]-->Placing calls to the current sites listed as InOP or NonOP to see if that is still the case or if the status has changed.
- <!--[if !supportLists]-->• <!--[endif]-->EPA staff all making calls for Water Quality for the 105 sites.
- <!--[if !supportLists]-->• <!--[endif]-->TCEQ staff is working the InOP/NonOP list.
- <!--[if !supportLists]-->• <!--[endif]-->TCEQ Staff is gathering statistics, entering data into response manager.
- <!--[if !supportLists]-->• <!--[endif]-->TCEQ is pulling data for maps to provide Weston.
- <!--[if !supportLists]-->• <!--[endif]-->Collecting the Regional Industrial Contact list to allow for input into Response Manager.

- Inoperable Wastewater Facility Tracking: **(Starting tomorrow the Wastewater Update will include the total number of facilities being tracked, operational and inoperable, similar to the Water Supply Update below)**
  - 34 Inoperable Wastewater Facilities are being Tracked.

Water Supply Division-

<!--[if !supportLists]-->• <!--[endif]-->WSD continues to work with EPA to contact systems for their status.

<!--[if !supportLists]-->• <!--[endif]-->Inoperable PWS Facility Tracking: **(These numbers were derived from the Response Manager database at 10am 9/4/17 and include status details for the PWS Facilities (Community Systems) for the 58 Counties within the Governor's Disaster Declaration)**

<!--[if !supportLists]-->◦ <!--[endif]-->2,200 Total Community PWS Facilities being tracked;

<!--[if !supportLists]-->◦ <!--[endif]-->1,757 of these Community PWS Facilities are operational;

<!--[if !supportLists]-->◦ <!--[endif]-->46 of these Community PWS Facilities are inoperable;

<!--[if !supportLists]-->◦ <!--[endif]-->158 of these PWS Facilities have a BWN; and,

<!--[if !supportLists]-->◦ <!--[endif]-->The status of the remaining Community PWS Facilities is being obtained through continued call-outs, facility call-backs, and field team visits.

#### *City of Beaumont*

On September 4, 2017, the TCEQ Water Supply Division received the following status update for the City of Beaumont Water Treatment Facilities from Barry Miller, Water Treatment Manager:

The groundwater plant remains off-line due to flooding conditions. The surface water treatment plant (SWP) is producing 8-10 MGD as of 9:00 am this morning which isn't nearly enough to provide adequate pressure in distribution. There are two main problems at this time:

1. The 3 emergency generators are not providing the needed electrical supply to meet demand due to problems with the control panel malfunctioning. The City stated that Crews are on the way to the SWTP to look at the problem.
2. Raw water supplies from the river to the SWTP are still not adequate in spite of having 8 pumps and lines feeding water directly into the 2 rapid mix locations at the plant.

The original raw water pumps are out, and estimated to remain out of service for several weeks. Crews are currently on-site laying additional pipe and installing additional pumps to bring raw water directly from the Neches River into the SWTP. The estimated demand will be above 20 MGD. It is estimated that the full capacity will take longer to determine due to leaks in distribution and problems with increasing the raw

water supply. The elevated storage tanks are at about 20%. The demand in the distribution system cannot be met by the elevated storage tanks, so it is being supplied by direct pressure from the high service pumps. Increasing the raw water supply to the plant is the main concern with producing finished water. The City of Beaumont is on a boil water notice.

Additional current status:

- Plant is off-grid with power
- Plant has 3 generators operational with 4 day supply of diesel fuel
- 4 day supply of Alum (coagulant)
- 2 week supply of caustic (pH adjustment)
- 4 day supply of chlorine
- 1 month supply of Polymer

Chemical and fuel deliveries are expected today or tomorrow. A load of caustic was delivered overnight. Alum is available for delivery as soon as a truck shows up to deliver it.

The City has their Emergency Operations Center (EOC) fully functional and is coordinating efforts to make repairs and acquire chemicals and materials for both short-term and long-term. Paul Zappi (Managing Engineer for the City) is our contact person for the EOC.

EPA and TCEQ have an advanced technical team ready to provide assistance to the City. *Beaumont Federal Correctional Complex (1230092)*

WSD Staff spoke with the warden of this facility this morning. He is requesting a status update on the Beaumont SWTP. Staff informed him that the City is doing all it can, but the plant was still having issues and the City was in distribution system looking for leaks and line breaks. The warden has limited communication with the City and does not know when water service will be restored to his facility. The warden stated the prison has approximately 0.5 MG left in the 1.0 MG EST on-site. He has the prison on water rationing: one flush/day and no showers. Worst-case he believes he has enough water to make it to Thursday before going completely dry. They are currently using a tanker and hauling non-potable water to supply the air chillers to keep the air conditioning on, but this is straining his assets. WSD Staff will call the warden back and provide potable water haulers.

#### *City of Victoria*

The plant continues to do very well. Chemicals are being delivered and a backup pump for the coagulant feed has been requested through CID in the event that their pump fails. The city will continue to flush, sample, and collect more data to ensure safe drinking water throughout the entire distribution system. WSD staff will be leaving the site but Corpus region staff will be staying onsite today to monitor data and go through the boil water notice rescind process with City.

#### **TCEQ Hurricane/Flood Related Regulatory Guidance:**

- TCEQ has a vast amount regulatory guidance posted under the Hurricane Harvey Response link on our main web



page. Also included is the most current information on approved and pending fuel waivers. <https://www.tceq.texas.gov/>